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TITLE: PPP FRAME MULTIPLEXING DEVICE, METHOD AND  
SUBSCRIBER SWITCHBOARD

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ABSTRACT:

PROBLEM TO BE SOLVED: To enhance line efficiency in the case of connecting a PPP frame multiplexing device with an IP network by using an ISDN line.

SOLUTION: This subscriber switchboard is provided with a subscriber storage part (SBM) 13a to store a plurality of subscriber terminals and to perform line concentration of subscriber lines and a service processing part (ASM) 13b to store many subscriber storage parts (SBM) and to realize a service

processing

function. A distribution switch part 21b identifies a subscriber at a

transmitting origin of information including a PPP frame transmitted from the

SBM 13a, further adds subscriber identification information and multiplexes the

PPP frame. An IP network IF 21f converts the multiplexed PPP frame into PPPoE

and outputs it to the IP network.

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